

## HYMENOPTERA.

*Orasema minutissima* Howard.

Mina Carlota, Trinidad Mts.

Several pupæ and adults were found in a hollow twig, with a colony of *Wasmannia auropunctata* Roger.

*Acanthopria crassicornis* Ashm.

Santiago de Cuba.

A single specimen taken in a nest of *Cyphomyrmex rimosus* Spin. var. *minutus* Mayr. agrees closely with the type from Grenada.

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DISTRIBUTIONAL NOTES ON NEW ENGLAND  
ODONATA.

PART II.<sup>1</sup>

BY R. HEBER HOWE, JR.,  
Thoreau Museum, Concord, Massachusetts.

The following additional records for Vermont are based on another small collection sent me by Mr. D. Lewis Dutton from Brandon. The specimens were captured in July, 1916.

*Lestes unguiculatus* Hagen; new to Vermont.

*Lestes uncatus* Kirby; new to Vermont.

*Argia violacea* (Hagen); new to Vermont.

*Nehalennia irene* (Hagen); new to Vermont.

*Amphiagrion saucium* (Burm.); new to Vermont.

*Enallagma hageni* (Walsh); new to Vermont.

*Æshna verticalis* (Hagen); new to Vermont.

*Libellula pulchella* Drury; new to Vermont.

The following record is new to Concord, Mass., bringing the known species from this township to sixty-eight.

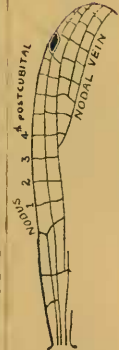
*Argia mæsta* Hagen. Female taken August 15, 1916, and previously overlooked.

<sup>1</sup>The figures in the chart of the Zygoptera published with this paper originally appeared in the author's manual of Odonata of New England, Parts I-II (Memoir of the Thoreau Museum of Natural History, II; 1-23, 1917). They are republished dichotomously here, because of numerous requests that they be available in the present form, and where they will reach more students of Odonata through the larger circulation of *Psyche*.

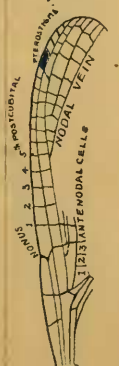
ODONATA

Zygoptera: Damselflies Anisoptera: Dragon Flies

Zygoptera: Damselflies



Nodal vein of fore-wing arising near or beyond 5th postcubital.



Nodal vein of fore-wing arising near or beyond 4th postcubital.

Anomalagrion



Pterostigma of male not touching the costa of fore wings.

♀'s with less than 7 postcubitals.

Ischnura



Pterostigma of male touching the costa on fore wings.

♀'s with more than 7 postcubitals.



♂

♂ and ♀ bronze green above, abdomen slender.



♀

♂ and ♀ red and black above, abdomen stout.



♂ and ♀ blue and black above.

Color pattern of thorax and base of abdomen of ♂'s as seen from above, also 3rd segment of ♀'s abdomen showing relative diameter drawn to scale.



ODONATA

Zygoptera: Damselflies



Wings closed when alighted.



Eyes widely separated, by more than the full width of an eye.

Anisoptera: Dragon Flies



Wings open when alighted.



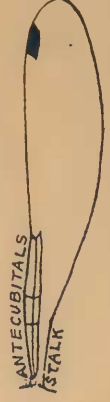
Eyes approximately equal, separated by less than half the width of an eye.  
(See later key to Anisoptera: Dragon Flies.)

Agrionidae



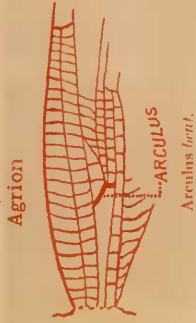
Five or more antecubitals, Wings not stalked.

Coenagrionidae



Two (rarely three) antecubitals, Wings stalked.

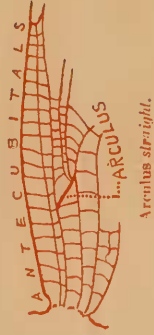
Agrioninae



Agrion

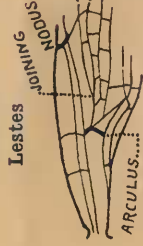
Arculus bent.

Hetaerina



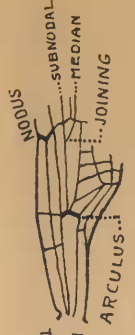
Arculus straight.

Lestinae



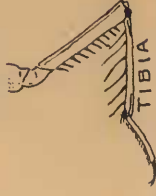
Subnodal and median veins joining nearer the nodus than the nodus.

Coenagrioninae



Subnodal and median veins joining nearer the nodus than the arculus.

Argia



Hairs on tibia twice as long as the spaces between the hairs.

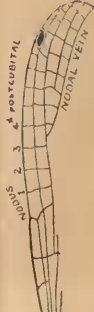


Hairs on tibia never twice as long as the spaces between the hairs.

Enallagma



Nodal vein of fore-wing arising near or beyond 5th postcubital.



Nodal vein of fore-wing arising not beyond 4th postcubital.

Ischnura



Pterostigma of male touching the costa on fore wings.

♂'s with more than 7 postcubitals.

Anomalagrion



Pterostigma of male not touching the costa of fore wings.

♂'s with less than 7 postcubitals.

Pale spots (rarely connected by pink narrow line) on top of head.



No pale spots on top of head.



Nehalennia



♂ and ♀ bronze green above, abdomen slender.

Amphiagrion



♂ and ♀ red and black above, abdomen stout.

Chromagrion



♂ and ♀ blue and black above.

Color pattern of thorax and base of abdomen of ♂'s as seen from above, also 3rd segment of ♀'s abdomen showing relative diameter drawn to scale.

